

United States Patent and Trademark Office

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/634,171	08/05/2003	Bruce MacMillan	7516-1	6345
30448	7590 06/15/2005		EXAMINER	
AKERMAN SENTERFITT			BERHANE, ADOLF D	
P.O. BOX 3 WEST PAL	188 MBEACH, FL 33402-318	8	ART UNIT	PAPER NUMBER
	,		2838	
			DATE MAILED: 06/15/200	5

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
Office Action Cummons	10/634,171	MACMILLAN, BRUCE				
Office Action Summary	Examiner	Art Unit				
	Adolf Berhane	2838				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	correspondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	66(a). In no event, however, may a reply be ting within the statutory minimum of thirty (30) day will apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	nely filed ys will be considered timely. In the mailing date of this communication. ED (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 21 Ap	oril 2005.					
3) Since this application is in condition for allowar	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11, 4	53 O.G. 213.				
Disposition of Claims						
4)⊠ Claim(s) <u>1-20</u> is/are pending in the application.						
4a) Of the above claim(s) is/are withdray						
5) Claim(s) is/are allowed.						
6)⊠ Claim(s) <u>1-20</u> is/are rejected.						
7) Claim(s) is/are objected to.						
8) Claim(s) are subject to restriction and/or	r election requirement.					
Application Papers						
9) The specification is objected to by the Examine	r.					
10) The drawing(s) filed on is/are: a) acce	epted or b) objected to by the	Examiner.				
Applicant may not request that any objection to the	drawing(s) be held in abeyance. Se	e 37 CFR 1.85(a).				
Replacement drawing sheet(s) including the correcti	ion is required if the drawing(s) is ob	ejected to. See 37 CFR 1.121(d).				
11)☐ The oath or declaration is objected to by the Ex	aminer. Note the attached Office	Action or form PTO-152.				
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priority application from the International Bureau * See the attached detailed Office action for a list	s have been received. s have been received in Applicate ity documents have been receive (PCT Rule 17.2(a)).	ion No ed in this National Stage				
Attachment(s)						
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail D 5) Notice of Informal F 6) Other:	•				
S. Patent and Trademark Office						

Application/Control Number: 10/634,171

Art Unit: 2838

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 18-20 are rejected under 35 U.S.C. 102(b) as being anticipated by Nguyen (6,429,629).

Nguyen discloses a switch mode power supplies in Figs. 2A-3J. An input voltage source (BT1), output current independent of output voltage (VOUT), switching arrangement (Q5 and Q6), transformer (T1) has two windings, pulse width modulator (26), capacitor filter (C1) and third switch (Q1). Figs. 3A-3J teach the operation in any four voltage-current quadrants.

3. Claims 1 - 20 are rejected under 35 U.S.C. 102(b) as being anticipated by Dinger (4,283,667).

Dinger discloses a motor field exciter in Figs. 1-4. An input voltage source (L1, L2 and L3), output current independent of output voltage (10), switching arrangement (124, 126, 126 and 130), transformer (20) has two windings (10 and 18), pulse width modulator (27), capacitor filter (C1) and third switch (Q1). The power converter shown in Fig. 3 operates in all four voltage current quadrants (Col. 8, lines 5-14).

Response to Arguments

- 4. Applicant's arguments filed 4/21/05 have been fully considered but they are not persuasive. Applicant argues that Nguyen patent does not teach operate in all four voltage current quadrants. Claim 18 states that it operates in any one of four voltage current quadrants that means the Nguyen patent would read on it since it operates in one of the four voltage current quadrants.
- 5. Applicant's arguments with respect to claims 1-17 have been considered but are most in view of the new ground(s) of rejection.

Conclusion

6. THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Art Unit: 2838

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Adolf Berhane whose telephone number is 571-272-2077. The examiner can normally be reached on Monday- Friday 8 AM to 6 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Sherry can be reached on 571-272-2084. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Adolf Berhane Primary Examiner Art Unit 2838